

PETERSEN RANCH MITIGATION BANK
U.S. ARMY CORPS OF ENGINEERS MEETING

June 1, 2015

AGENDA

- I. Casualty Insurance
- II. Exclusion Areas
- III. May 4, 2015 Meeting Notes
- IV. Crediting
- V. Bank Sales / 404 / 401/ Grading permits
- VI. Service Area
- VII. Other
- VIII. Next Steps/Action Items

II. EXCLUSION AREAS

PETERSEN RANCH SITE BANK EXCLUSION AREAS

Attached are a series of maps showing the limits of the Petersen Ranch Mitigation Bank ("Bank") conservation easement ("Exclusion Areas"). The Exclusion Areas are within the property boundary of the Bank, but are not proposed to be covered by the conservation easement of the Bank. The Exclusion Areas are summarized in the table below and a description of the proposed activities for each Exclusion Area follows.

EXCLUSION AREAS	ACREAGE
Main lodge and existing structures at Johnson Rd entrance ¹	92
Four 4-acre areas - existing structures ²	16
Two 4-acre areas – no existing structures ³	8

¹The 92-acre Exclusion Area located adjacent to Johnson Road contains existing infrastructure including multiple buildings (lodge, caretaker homes, garage, and storage facilities). This area will be excluded from the conservation easement and is depicted on the "Main Lodge" exclusion map.

²Houses and ancillary improvements currently exist on four parcels, two of which are located in the Exclusion Areas of the Phase I Bank Boundary. Site A is located at grade in a grassy canyon located off the main Ranch road. Site B is located near Site A and includes fencing and a water tank. Site C has an existing old house set on an elevated site overlooking the large pond in the Phase III bank area while Site D, located on a grassy hilltop straddling the Phase II/III Bank Boundary, includes a radio tower with a shed structure.

³Site E is located north of Johnson Road on a knoll within the Phase I Bank Boundary, with no existing improvements, and Site F is on a flat, grassy knoll in Phase III of the Bank overlooking the large pond in Phase III. Site F historically served as a location for beehives.

DESCRIPTION OF ACTIVITIES ON THE SIX 4-ACRE EXCLUSION ACTIVITES

All six 4-acre exclusion areas are accessed via existing dirt and/or gravel roads that will be maintained in perpetuity and which are excluded from the Bank's crediting. Any existing infrastructure and buildings would be retained and these areas are designated as campsites for the Property Owner. These campsites would be maintained in their natural states. There will be no perimeter fencing. However, since these areas are excluded from the Bank's credits, the corners of each area will be marked to delineate the Exclusion Areas from the Bank. No open fires will be allowed. Passive uses will be allowed within the Exclusion Areas and it is expected that any overnight visitors will hike to the campsites from a drop off point at the main Lodge.

There will be portable and self-contained bathroom trailers at each campsite if permanent facilities and/or other non-impacting facilities such as composting toilets are not available. These six areas are intended to help educate guests about the Bank's mitigation and conservation values and would not be a source of edge-effects, nor detract from or impact the Bank resources in any manner.

ELIZABETH LAKE SITE BANK BOUNDARY

The small 1,100 square foot Exclusion Area is a family cemetery that is under separate ownership and is shown as a small square on the "Elizabeth Lake" Exclusion Area map. The easement associated with this family cemetery requires the Property Owner to allow family members access to the plot via the existing dirt/gravel road. There have been no visitors to this family cemetery for at least 5 years.

These access roads are excluded from the Bank's credits. No other uses in this Exclusion Area will occur.

The larger, 2.8-acre Exclusion Area on Elizabeth Lake is intended as a future home site for the Property Owner. It is located on the edge of the Bank site and is accessible via the existing dirt/gravel road system that serves the cemetery. This use would not conflict with or compromise the conservation values of the Bank property, and due to the on-site presence of a third party with an interest in the Bank's success, would help assure long-term oversight of the Bank's resources.

IV. CREDITING

Ex. 4 CBI

Property	Assessment Area	AA ID	Restoration Site	Baseline												OVERALL BASELINE SCORES
				4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			4.3 Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure			
															FINAL SCORE	
				RAW SCORE			RAW SCORE			RAW SCORE			RAW SCORE			RAW SCORE
EL	AA #12	EL AA #12	Post-fire Management	3	12	9	6	11	45.83	6	15	41.7	9	24	66.7	55
EL	AA #14	EL AA #14	Post-fire Management	12	12	12	9	22	91.67	9	33	91.7	12	19	52.8	78
EL	AA #09	EL AA #09	Munz	12	12	12	9	22	91.67	12	33	91.7	12	22	61.2	74
EL	AA #10	EL AA #10	Munz	12	12	12	9	13	54.17	6	30	83.4	12	14	38.9	66
EL	AA #11	EL AA #11	Munz	3	12	12	9	11	45.83	6	21	58.4	0	25	69.5	57
EL	AA #13	EL AA #13	Munz	3	12	12	9	0	0.00	0	18	50	0	0	0	0
EL	AA #15	EL AA #15	Munz	0	0	0	0	14	58.33	3	15	41.7	9	12	33.4	43
EL	AA #01	EL AA #01	Post-fire Management	6	12	9	6	20	83.33	12	30	83.4	9	20	55.6	58
EL	AA #06	EL AA #06	Post-fire Management	12	12	12	6	19	79.17	12	30	83.4	12	12	33.4	68
EL	AA #07	EL AA #07	Post-fire Management	9	12	12	9	22	91.67	6	27	75	12	12	55.6	66
EL	AA #05	EL AA #05	Site 2	12	12	12	9	11	45.83	6	24	66.7	9	15	41.7	66
EL	AA #08	EL AA #08	Site 3	12	12	12	9	22	91.67	12	30	83.4	9	19	52.8	61
EL	AA #04	EL AA #04	Site 4	6	12	12	9	16	66.67	9	33	91.7	15	14	38.9	72
EL	AA #02	EL AA #02	Site 5	12	12	12	9	22	91.67	9	33	91.7	9	9	25	56
EL	AA #03	EL AA #03	Site 5	12	12	12	3	18	75.00	12	30	83.4	9	27	75	77
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	12	9	22	91.67	9	27	75	6	15	41.7	63
PR	AA #05	PR AA #05	Preserve	12	12	12	9	22	91.67	12	33	91.7	6	20	55.6	60
PR	AA #06	PR AA #06	Preserve	12	12	12	9	22	91.67	12	24	66.7	6	12	33.4	47
PR	AA #03	PR AA #03	Rift Valley	6	12	12	6	14	58.33	9	21	58.4	3	10	27.8	47
PR	AA #04	PR AA #04	Rift Valley	3	12	12	6	11	45.83	9	27	75	3	11	30.6	56
PR	AA #07	PR AA #07	Rift Valley	9	12	12	9	19	79.17	9	27	75	6	12	30.6	56
PR	AA #08	PR AA #08	Rift Valley	6	12	12	6	14	58.33	6	21	58.4	6	21	58.4	57
PR	AA #09	PR AA #09	Rift Valley	6	9	12	6	14	58.33	6	21	58.4	3	21	58.4	54
PR	AA #10	PR AA #10	Rift Valley	6	9	12	6	14	58.33	9	21	58.4	9	17	47.3	54
PR	AA #12	PR AA #12	Rift Valley	3	12	9	6	11	45.83	6	18	50	6	18	50	46
PR	AA #13	PR AA #13	Rift Valley	3	9	9	6	10	41.67	6	18	50	9	21	58.4	57
PR	AA #14	PR AA #14	Rift Valley	9	12	12	6	17	70.83	6	21	58.4	3	18	50	58
PR	AA #15	PR AA #15	Rift Valley	12	12	9	6	20	83.33	6	21	58.4	6	16	44.5	56
PR	AA #16	PR AA #16	Rift Valley	6	9	9	6	13	54.17	9	24	66.7	6	25	69.5	64
PR	AA #17	PR AA #17	Rift Valley	9	12	12	6	17	70.83	6	27	75	6	20	55.6	63
PR	AA #01	PR AA #01	Site 6	9	12	9	6	17	70.83	6	18	50	3	12	33.4	48
PR	AA #02	PR AA #02	Site 6	3	12	9	9	13	54.17	6	18	50	3	10	27.8	43

Property	Assessment Area	Restoration Site	AA ID	Post-restoration												AQUATIC RESOURCE DELTA	OVERALL TARGET SCORES		
				4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			4.3 Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure						
				RAW SCORE		FINAL SCORE		RAW SCORE		FINAL SCORE		RAW SCORE		FINAL SCORE		RAW SCORE		FINAL SCORE	
EL	AA #12	EL AA #12	Post-fire Management	6	12	9	9	16	66.67	6	12	9	9	15	62.5	12	9	9	91.7
EL	AA #14	EL AA #14	Post-fire Management	12	12	9	9	22	91.67	12	12	9	9	18	75	12	9	9	88.9
EL	AA #09	EL AA #09	Munz	12	12	12	12	24	100.00	12	12	9	9	18	75	12	9	9	80.6
EL	AA #10	EL AA #10	Munz	12	12	9	9	22	91.67	12	12	9	9	18	75	12	9	9	77.8
EL	AA #11	EL AA #11	Munz	12	12	12	12	22	91.67	9	9	9	9	30	83.4	12	9	9	88.9
EL	AA #13	EL AA #13	Munz	12	12	12	12	22	91.67	12	12	9	9	33	91.7	12	9	9	77.8
EL	AA #15	EL AA #15	Munz	12	12	12	12	22	91.67	6	12	9	9	15	62.5	12	9	9	63.9
EL	AA #01	EL AA #01	Post-fire Management	6	12	9	9	14	58.33	6	12	9	9	18	75	12	9	9	58.4
EL	AA #06	EL AA #06	Post-fire Management	12	12	12	12	22	91.67	12	12	9	9	30	83.4	12	9	9	80.6
EL	AA #07	EL AA #07	Post-fire Management	9	12	12	12	19	79.17	12	12	9	9	33	91.7	12	9	9	77.8
EL	AA #05	EL AA #05	Site 2	12	12	12	12	24	100.00	12	12	9	9	30	83.4	12	9	9	85.19
EL	AA #08	EL AA #08	Site 3	12	12	12	12	22	91.67	12	12	9	9	30	83.4	12	9	9	82.16
EL	AA #04	EL AA #04	Site 4	12	12	12	12	22	91.67	12	12	9	9	33	91.7	12	9	9	81.20
EL	AA #02	EL AA #02	Site 5	12	12	12	12	22	91.67	9	12	12	12	33	91.7	12	9	9	80.6
EL	AA #03	EL AA #03	Site 5	12	12	12	12	24	100.00	9	12	12	12	33	91.7	6	6	6	55.6
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	12	12	24	100.00	9	12	12	12	27	75	12	9	9	100
PR	AA #05	PR AA #05	Preserve	12	12	12	12	9	22	91.67	12	9	9	12	33	91.7	6	6	25
PR	AA #06	PR AA #06	Preserve	12	12	12	12	9	22	91.67	12	9	9	12	24	66.7	6	6	25
PR	AA #03	PR AA #03	Rift Valley	6	12	12	12	18	75.00	9	12	12	12	30	83.4	6	6	6	62.5
PR	AA #04	PR AA #04	Rift Valley	6	12	12	12	18	75.00	9	12	12	12	30	83.4	6	6	6	62.5
PR	AA #07	PR AA #07	Rift Valley	9	12	12	12	21	87.50	9	12	12	12	30	83.4	18	18	18	77.8
PR	AA #08	PR AA #08	Rift Valley	9	12	12	12	21	87.50	9	12	12	12	30	83.4	18	18	18	77.8
PR	AA #09	PR AA #09	Rift Valley	6	9	12	9	16	66.67	9	12	12	12	30	83.4	15	15	15	62.5
PR	AA #10	PR AA #10	Rift Valley	6	9	12	9	16	66.67	9	12	12	12	30	83.4	18	18	18	60.77
PR	AA #12	PR AA #12	Rift Valley	6	12	12	9	16	66.67	9	12	12	12	30	83.4	18	18	18	60.77
PR	AA #13	PR AA #13	Rift Valley	6	12	12	9	16	66.67	9	12	12	12	30	83.4	18	18	18	60.77
PR	AA #14	PR AA #14	Rift Valley	9	12	12	9	19	79.17	9	12	12	12	30	83.4	15	15	15	62.5
PR	AA #15	PR AA #15	Rift Valley	9	12	12	9	19	79.17	9	12	12	12	30	83.4	18	18	18	62.5
PR	AA #16	PR AA #16	Rift Valley	9	12	12	9	19	79.17	9	12	12	12	30	83.4	18	18	18	60.77
PR	AA #17	PR AA #17	Rift Valley	9	12	12	9	19	79.17	9	12	12	12	30	83.4	18	18	18	60.77
PR	AA #01	PR AA #01	Site 6	9	12	9	12	20	83.33	6	9	12	9	24	66.7	6	15	15	62.5
PR	AA #02	PR AA #02	Site 6	6	12	12	12	18	75.00	9	12	12	9	30	83.4	6	15	15	62.5

Baseline - RIPARIAN BUFFER ONLY															OVERALL RB BASELINE SCORES		
Property	Assessment Area	AA ID	Restoration Site	4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure			FINAL SCORE	RAW SCORE
				RAW SCORE	FINAL SCORE	RAW SCORE	FINAL SCORE	RAW SCORE	FINAL SCORE	RAW SCORE	FINAL SCORE	RAW SCORE	FINAL SCORE	RAW SCORE	FINAL SCORE		
EL	AA #12	EL AA #12	Post-fire Management	12	33.33	6	16.7	12	25	12	33.4	6	16.7	12	24	66.7	30
EL	AA #14	EL AA #14	Post-fire Management	12	41.67	12	25	12	33.4	12	33.4	12	33.4	12	22	52.8	30
EL	AA #09	EL AA #09	Munz	12	41.67	6	16.7	12	25	12	33.4	12	33.4	12	24	61.2	35
EL	AA #10	EL AA #10	Munz	12	41.67	6	16.7	12	25	12	33.4	12	33.4	12	25	38.9	29
EL	AA #11	EL AA #11	Munz	12	33.33	0	0.00	12	16.7	12	16.7	12	16.7	12	24	66.7	30
EL	AA #13	EL AA #13	Munz	12	41.67	6	16.7	12	25	12	33.4	12	33.4	12	25	69.5	30
EL	AA #15	EL AA #15	Munz	12	0	0	0	12	0	12	0	0	12	0	0	0	21
EL	AA #01	EL AA #01	Post-fire Management	12	33.33	6	16.7	12	25	12	33.4	12	33.4	12	20	55.6	33
EL	AA #06	EL AA #06	Post-fire Management	12	33.33	6	16.7	12	25	12	33.4	12	33.4	12	15	41.7	30
EL	AA #07	EL AA #07	Post-fire Management	12	41.67	12	25	12	33.4	12	33.4	12	33.4	12	19	52.8	30
EL	AA #05	EL AA #05	Site 2	12	33.33	12	12	12	33.4	12	33.4	12	33.4	12	14	38.9	27
EL	AA #08	EL AA #08	Site 3	12	41.67	12	25	12	33.4	12	33.4	12	33.4	12	27	75	36
EL	AA #04	EL AA #04	Site 4	12	41.67	9	25	12	33.4	12	33.4	12	33.4	12	15	41.7	30
EL	AA #02	EL AA #02	Site 5	12	41.67	9	25	12	33.4	12	33.4	12	33.4	12	19	52.8	30
EL	AA #03	EL AA #03	Site 5	12	25.00	9	25	12	33.4	12	33.4	12	33.4	12	14	38.9	27
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	10	41.67	9	25	12	33.4	12	33.4	12	27	75	36
PR	AA #05	PR AA #05	Preserve	12	12	10	41.67	12	33.4	12	33.4	12	33.4	12	15	41.7	30
PR	AA #06	PR AA #06	Preserve	12	12	10	41.67	9	25	12	33.4	12	33.4	12	20	55.6	33
PR	AA #03	PR AA #03	Rift Valley	12	12	8	33.33	9	25	12	33.4	12	33.4	12	12	33.4	23
PR	AA #04	PR AA #04	Rift Valley	12	12	8	33.33	9	25	12	33.4	12	33.4	12	10	27.8	22
PR	AA #07	PR AA #07	Rift Valley	12	12	10	41.67	9	25	12	33.4	12	33.4	12	11	30.6	25
PR	AA #08	PR AA #08	Rift Valley	12	12	8	33.33	6	16.7	12	33.4	12	33.4	12	21	58.4	28
PR	AA #09	PR AA #09	Rift Valley	12	12	8	33.33	6	16.7	12	33.4	12	33.4	12	21	58.4	28
PR	AA #10	PR AA #10	Rift Valley	12	12	6	25.00	9	25	12	33.4	12	33.4	12	17	47.3	25
PR	AA #12	PR AA #12	Rift Valley	12	12	10	41.67	12	33.4	12	33.4	12	33.4	12	18	50	26
PR	AA #13	PR AA #13	Rift Valley	12	12	7	29.17	6	16.7	12	33.4	12	33.4	12	21	58.4	27
PR	AA #14	PR AA #14	Rift Valley	12	12	8	33.33	6	16.7	12	33.4	12	33.4	12	18	50	26
PR	AA #15	PR AA #15	Rift Valley	12	12	7	29.17	9	25	12	33.4	12	33.4	12	16	44.5	24
PR	AA #16	PR AA #16	Rift Valley	12	12	8	33.33	9	25	12	33.4	12	33.4	12	25	69.5	31
PR	AA #17	PR AA #17	Rift Valley	12	12	8	33.33	9	25	12	33.4	12	33.4	12	20	55.6	29
PR	AA #01	PR AA #01	Site 6	12	33.33	6	16.7	12	33.4	12	33.4	12	33.4	12	12	33.4	21
PR	AA #02	PR AA #02	Site 6	12	41.67	9	25	12	33.4	12	33.4	12	33.4	12	10	27.8	22

Post-restoration - RIPARIAN BUFFER ONLY												RIPARIAN BUFFER DELTA		OVERALL RB TARGET SCORES			
Assessment Area	Property	AA ID	Restoration Site	4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure				
				4.1.1 Landscape Connectivity			4.1.2 Percent of AA with Buffer			4.1.3 Average Buffer Width			4.1.4 Buffer Condition				
EL	AA #12	EL AA #12	Post-fire Management	12	9	9	10	41.67	6	6	16.7	25	6	12	12	33	
EL	AA #14	EL AA #14	Post-fire Management	12	9	9	10	41.67	9	12	25	33.4	9	12	12	32	
EL	AA #09	EL AA #09	Munz	12	12	9	12	50.00	12	12	33.4	33.4	9	9	12	29	
EL	AA #10	EL AA #10	Munz	12	12	9	10	41.67	12	12	33.4	33.4	9	9	12	32	
EL	AA #11	EL AA #11	Munz	12	12	9	10	41.67	9	12	25	25	9	9	12	28	
EL	AA #13	EL AA #13	Munz	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	23	
EL	AA #15	EL AA #15	Munz	12	12	9	10	41.67	12	12	25	25	9	9	12	28	
EL	AA #01	EL AA #01	Post-fire Management	12	9	6	8	33.33	6	6	16.7	16.7	6	9	12	21	
EL	AA #06	EL AA #06	Post-fire Management	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	29	
EL	AA #07	EL AA #07	Post-fire Management	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	29	
EL	AA #05	EL AA #05	Site 2	12	12	12	12	50.00	12	12	33.4	33.4	6	9	12	28	
EL	AA #08	EL AA #08	Site 3	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	27	
EL	AA #04	EL AA #04	Site 4	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	29	
EL	AA #02	EL AA #02	Site 5	12	12	9	10	41.67	9	9	25	25	6	9	12	20	
EL	AA #03	EL AA #03	Site 5	12	12	12	12	50.00	9	9	25	25	6	9	12	36	
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	12	12	50.00	9	9	25	25	3	9	12	100	
PR	AA #05	PR AA #05	Preserve	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	15	
PR	AA #06	PR AA #06	Preserve	12	12	9	10	41.67	12	12	33.4	33.4	6	9	12	20	
PR	AA #03	PR AA #03	Rift Valley	12	12	12	12	50.00	9	9	25	25	3	9	12	28	
PR	AA #04	PR AA #04	Rift Valley	12	12	12	12	50.00	9	9	25	25	3	9	12	28	
PR	AA #07	PR AA #07	Rift Valley	12	12	12	12	50.00	9	9	25	25	3	9	12	28	
PR	AA #08	PR AA #08	Rift Valley	12	12	12	12	50.00	9	9	25	25	3	9	12	28	
PR	AA #09	PR AA #09	Rift Valley	9	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #10	PR AA #10	Rift Valley	9	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #12	PR AA #12	Rift Valley	12	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #13	PR AA #13	Rift Valley	12	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #14	PR AA #14	Rift Valley	12	12	9	10	41.67	9	9	25	25	3	9	12	26	
PR	AA #15	PR AA #15	Rift Valley	12	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #16	PR AA #16	Rift Valley	12	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #17	PR AA #17	Rift Valley	12	12	9	10	41.67	9	9	25	25	3	9	12	29	
PR	AA #01	PR AA #01	Site 6	12	9	12	11	45.83	6	6	16.7	16.7	3	9	12	28	
PR	AA #02	PR AA #02	Site 6	12	12	12	12	50.00	9	9	25	25	3	9	12	28	

Baseline - UPLAND BUFFER ONLY																		
															OVERALL UB BASELINE SCORES			
															FINAL SCORE			
															RAW SCORE			
															4.4.5 Vertical Structure			
Assessment Area	Property	AA ID	Restoration Site	4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure					
				4.1.1 Landscape Connectivity	4.1.2 Percent of AA with Buffer	4.1.3 Average Buffer Width	4.1.4 Buffer Condition	4.2.1 Water Source	4.2.2 Hydroperiod or Channel Stability	4.2.3 Hydrologic Connectivity	4.3.1 Structural Patch Richness	4.3.2 Topographic Complexity	4.4.1 Number of Plant Layers	4.4.2 Co-Dominant Species	4.4.3 Percent Invasion	4.4.4 Interspersion/Zonation		
EL	AA #12	EL AA #12	Post-fire Management	12	9	12	10	8	33.33	6	9	10	6	0	0	0	0	13
EL	AA #14	EL AA #14	Post-fire Management	12	9	12	10	8	41.67	12	12	12	12	0	0	0	0	17
EL	AA #09	EL AA #09	Munz	12	9	9	10	8	41.67	6	6	6	6	0	0	0	0	19
EL	AA #10	EL AA #10	Munz	12	9	9	10	8	41.67	0	0	0	0	0	0	0	0	15
EL	AA #11	EL AA #11	Munz	12	9	9	10	8	41.67	6	6	6	6	0	0	0	0	13
EL	AA #13	EL AA #13	Munz	12	9	9	10	8	41.67	0	0	0	0	0	0	0	0	17
EL	AA #15	EL AA #15	Munz	0	0	0	0	0	0.00	6	6	6	6	0	0	0	0	19
EL	AA #01	EL AA #01	Post-fire Management	12	9	9	10	8	33.33	6	6	6	6	0	0	0	0	19
EL	AA #06	EL AA #06	Post-fire Management	12	9	9	10	8	33.33	12	12	12	12	0	0	0	0	17
EL	AA #07	EL AA #07	Post-fire Management	12	9	9	10	8	41.67	12	12	12	12	0	0	0	0	19
EL	AA #05	EL AA #05	Site 2	12	12	12	10	10	41.67	12	12	12	12	0	0	0	0	19
EL	AA #08	EL AA #08	Site 3	12	12	12	10	10	41.67	12	12	12	12	0	0	0	0	17
EL	AA #04	EL AA #04	Site 4	12	12	12	10	10	41.67	9	9	9	9	0	0	0	0	17
EL	AA #02	EL AA #02	Site 5	12	12	12	10	10	41.67	9	9	9	9	0	0	0	0	13
EL	AA #03	EL AA #03	Site 5	12	12	12	10	10	25.00	9	9	9	9	0	0	0	0	13
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	12	10	10	41.67	9	9	9	9	0	0	0	0	17
PR	AA #05	PR AA #05	Preserve	12	12	12	10	10	41.67	12	12	12	12	0	0	0	0	19
PR	AA #06	PR AA #06	Preserve	12	12	12	10	10	41.67	9	9	9	9	0	0	0	0	19
PR	AA #03	PR AA #03	Rift Valley	12	12	12	10	10	33.33	9	9	9	9	0	0	0	0	15
PR	AA #04	PR AA #04	Rift Valley	12	12	12	10	10	33.33	9	9	9	9	0	0	0	0	15
PR	AA #07	PR AA #07	Rift Valley	12	12	12	10	10	41.67	9	9	9	9	0	0	0	0	17
PR	AA #08	PR AA #08	Rift Valley	12	12	12	10	10	33.33	6	6	6	6	0	0	0	0	13
PR	AA #09	PR AA #09	Rift Valley	9	12	12	8	8	33.33	6	6	6	6	0	0	0	0	13
PR	AA #10	PR AA #10	Rift Valley	9	12	12	6	6	33.33	6	6	6	6	0	0	0	0	13
PR	AA #12	PR AA #12	Rift Valley	12	9	9	6	6	33.33	6	6	6	6	0	0	0	0	13
PR	AA #13	PR AA #13	Rift Valley	9	9	9	6	6	29.17	6	6	6	6	0	0	0	0	12
PR	AA #14	PR AA #14	Rift Valley	12	12	9	6	6	33.33	6	6	6	6	0	0	0	0	13
PR	AA #15	PR AA #15	Rift Valley	12	9	9	6	6	33.33	7	7	7	7	0	0	0	0	13
PR	AA #16	PR AA #16	Rift Valley	9	9	9	6	6	29.17	6	6	6	6	0	0	0	0	14
PR	AA #17	PR AA #17	Rift Valley	12	12	9	6	6	33.33	9	9	9	9	0	0	0	0	15
PR	AA #01	PR AA #01	Site 6	12	9	9	6	6	33.33	6	6	6	6	0	0	0	0	13
PR	AA #02	PR AA #02	Site 6	12	9	9	10	10	41.67	6	6	6	6	0	0	0	0	15

Post-restoration - UPLAND BUFFER ONLY												
Assessment Area	Property	AA ID	Restoration Site	4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology		Attribute 3: Physical Structure		4.4 Attribute 4: Biotic Structure	
				FINAL SCORE	RAW SCORE	4.1.4 Buffer Condition	FINAL SCORE	RAW SCORE	4.3.1 Structural Patch Richness	FINAL SCORE	RAW SCORE	4.4.5 Vertical Structure
EL	AA #12	EL AA #12	Post-fire Management	12	12	12	10	41.67	16.7	0	0	4.4.4 Interspersion/Zonation
EL	AA #14	EL AA #14	Post-fire Management	12	12	12	10	41.67	25	0	0	4.4.3 Percent Invasion
EL	AA #09	EL AA #09	Munz	12	12	12	10	50.00	33.4	0	0	4.4.2 Co-Dominant Species
EL	AA #10	EL AA #10	Munz	12	12	12	10	41.67	33.4	0	0	4.4.1 Number of Plant Layers
EL	AA #11	EL AA #11	Munz	12	12	12	10	41.67	25	0	0	4.3.2 Topographic Complexity
EL	AA #13	EL AA #13	Munz	12	12	12	10	41.67	33.4	0	0	4.3.1 Structural Patch Richness
EL	AA #15	EL AA #15	Munz	12	12	12	10	41.67	16.7	0	0	4.3.2 Topographic Complexity
EL	AA #01	EL AA #01	Post-fire Management	12	12	12	8	33.33	33.4	0	0	4.3.1 Structural Patch Richness
EL	AA #06	EL AA #06	Post-fire Management	12	12	12	10	41.67	33.4	0	0	4.3.2 Topographic Complexity
EL	AA #07	EL AA #07	Post-fire Management	12	12	12	10	41.67	33.4	0	0	4.3.1 Structural Patch Richness
EL	AA #05	EL AA #05	Site 2	12	12	12	12	50.00	33.4	0	0	4.3.2 Topographic Complexity
EL	AA #08	EL AA #08	Site 3	12	12	12	10	41.67	33.4	0	0	4.3.1 Structural Patch Richness
EL	AA #04	EL AA #04	Site 4	12	12	12	10	41.67	33.4	0	0	4.3.2 Topographic Complexity
EL	AA #02	EL AA #02	Site 5	12	12	12	10	41.67	25	0	0	4.3.1 Structural Patch Richness
EL	AA #03	EL AA #03	Site 5	12	12	12	12	50.00	25	0	0	4.3.2 Topographic Complexity
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	12	12	50.00	25	0	0	4.3.1 Structural Patch Richness
PR	AA #05	PR AA #05	Preserve	12	12	12	9	41.67	33.4	0	0	4.3.2 Topographic Complexity
PR	AA #06	PR AA #06	Preserve	12	12	12	9	41.67	33.4	0	0	4.3.1 Structural Patch Richness
PR	AA #03	PR AA #03	Rift Valley	12	12	12	12	50.00	25	0	0	4.3.2 Topographic Complexity
PR	AA #04	PR AA #04	Rift Valley	12	12	12	12	50.00	25	0	0	4.3.1 Structural Patch Richness
PR	AA #07	PR AA #07	Rift Valley	12	12	12	12	50.00	25	0	0	4.3.2 Topographic Complexity
PR	AA #08	PR AA #08	Rift Valley	12	12	12	12	50.00	25	0	0	4.3.1 Structural Patch Richness
PR	AA #09	PR AA #09	Rift Valley	9	12	12	9	41.67	25	0	0	4.3.2 Topographic Complexity
PR	AA #10	PR AA #10	Rift Valley	9	12	12	9	41.67	25	0	0	4.3.1 Structural Patch Richness
PR	AA #12	PR AA #12	Rift Valley	12	12	12	9	41.67	25	0	0	4.3.2 Topographic Complexity
PR	AA #13	PR AA #13	Rift Valley	12	12	12	9	41.67	25	0	0	4.3.1 Structural Patch Richness
PR	AA #14	PR AA #14	Rift Valley	12	12	12	9	41.67	25	0	0	4.3.2 Topographic Complexity
PR	AA #15	PR AA #15	Rift Valley	12	12	12	9	41.67	25	0	0	4.3.1 Structural Patch Richness
PR	AA #16	PR AA #16	Rift Valley	12	12	12	9	41.67	25	0	0	4.3.2 Topographic Complexity
PR	AA #17	PR AA #17	Rift Valley	12	12	12	9	41.67	25	0	0	4.3.1 Structural Patch Richness
PR	AA #01	PR AA #01	Site 6	12	9	12	11	45.83	16.7	0	0	4.3.2 Topographic Complexity
PR	AA #02	PR AA #02	Site 6	12	12	12	12	50.00	25	0	0	4.3.1 Structural Patch Richness

Potential Condition if Not Preserved												OVERALL BASELINE SCORES				
Assessment Area	Property	AA ID	Restoration Site	4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure			
				4.1.1 Landscape Connectivity			4.1.2 Percent of AA with Buffer			4.1.3 Average Buffer Width			4.1.4 Buffer Condition			
EL	AA #12	EL AA #12	Post-fire Management	3	3	25.00	3	3	6	12	33.4	3	3	9	9	37
EL	AA #14	EL AA #14	Post-fire Management	3	3	62.50	3	3	62.50	18	50	3	3	9	9	54
EL	AA #09	EL AA #09	Munz	3	3	62.50	3	3	62.50	18	50	3	3	9	9	47
EL	AA #10	EL AA #10	Munz	3	3	25.00	3	3	25.00	12	33.4	3	3	9	9	43
EL	AA #11	EL AA #11	Munz	3	3	25.00	3	3	25.00	15	41.7	3	3	9	9	36
EL	AA #13	EL AA #13	Munz	3	3	12.50	3	3	12.50	6	16.7	3	3	9	9	37
EL	AA #15	EL AA #15	Munz	3	3	50.00	3	3	50.00	9	25	3	3	9	9	14
EL	AA #01	EL AA #01	Post-fire Management	3	3	37.50	3	3	37.50	12	33.4	3	3	9	9	32
EL	AA #06	EL AA #06	Post-fire Management	3	3	62.50	3	3	62.50	15	41.7	3	3	9	9	40
EL	AA #07	EL AA #07	Post-fire Management	3	3	37.50	3	3	37.50	12	33.4	3	3	9	9	42
EL	AA #05	EL AA #05	Site 2	3	3	62.50	3	3	62.50	15	41.7	3	3	9	9	48
EL	AA #08	EL AA #08	Site 3	3	3	62.50	3	3	62.50	12	33.4	3	3	9	9	46
EL	AA #04	EL AA #04	Site 4	3	3	62.50	3	3	62.50	15	41.7	3	3	9	9	36
EL	AA #02	EL AA #02	Site 5	3	3	62.50	3	3	62.50	18	50	3	3	9	9	50
EL	AA #03	EL AA #03	Site 5	3	3	62.50	3	3	62.50	18	50	3	3	9	9	44
PR	AA #11	PR AA #11	Cattle Exclusion	3	3	62.50	3	3	62.50	12	33.4	3	3	9	9	46
PR	AA #05	PR AA #05	Preserve	3	3	62.50	3	3	62.50	18	50	3	3	9	9	41
PR	AA #06	PR AA #06	Preserve	3	3	62.50	3	3	62.50	12	33.4	3	3	9	9	37
PR	AA #03	PR AA #03	Rift Valley	3	3	62.50	3	3	62.50	9	25	3	3	9	9	32
PR	AA #04	PR AA #04	Rift Valley	3	3	25.00	3	3	25.00	15	41.7	3	3	9	9	33
PR	AA #07	PR AA #07	Rift Valley	3	3	50.00	3	3	50.00	15	41.7	3	3	9	9	39
PR	AA #08	PR AA #08	Rift Valley	3	3	37.50	3	3	37.50	15	41.7	3	3	9	9	39
PR	AA #09	PR AA #09	Rift Valley	3	3	37.50	3	3	37.50	15	41.7	3	3	9	9	36
PR	AA #10	PR AA #10	Rift Valley	3	3	37.50	3	3	37.50	15	41.7	3	3	9	9	39
PR	AA #12	PR AA #12	Rift Valley	3	3	25.00	3	3	25.00	12	33.4	3	3	9	9	31
PR	AA #13	PR AA #13	Rift Valley	3	3	25.00	3	3	25.00	12	33.4	3	3	9	9	40
PR	AA #14	PR AA #14	Rift Valley	3	3	50.00	3	3	50.00	15	41.7	3	3	9	9	42
PR	AA #15	PR AA #15	Rift Valley	3	3	62.50	3	3	62.50	15	41.7	3	3	9	9	42
PR	AA #16	PR AA #16	Rift Valley	3	3	37.50	3	3	37.50	15	41.7	3	3	9	9	42
PR	AA #17	PR AA #17	Rift Valley	3	3	50.00	3	3	50.00	15	41.7	3	3	9	9	42
PR	AA #01	PR AA #01	Site 6	3	3	50.00	3	3	50.00	12	33.4	3	3	9	9	37
PR	AA #02	PR AA #02	Site 6	3	3	25.00	3	3	25.00	6	33.4	3	3	9	9	31

Potential Condition if Riparian Buffers Not Preserved												OVERALL RB PRESERVATION SCORES
			FINAL SCORE			RAW SCORE			25			25
			4.4.5 Vertical Structure			4.4.4 Interspersed Zonation			9			9
			4.4.3 Percent Invasion			4.4.2 Co-Dominant Species			3			3
			4.4.1 Number of Plant Layers			4.4.1 Number of Plant Layers			3			3
			FINAL SCORE			FINAL SCORE			62.5			37
			RAW SCORE			RAW SCORE			75			60
			4.3.2 Topographic Complexity			4.3.2 Topographic Complexity			50			52
			4.3.1 Structural Patch Richness			4.3.1 Structural Patch Richness			15			49
			FINAL SCORE			FINAL SCORE			18			38
			RAW SCORE			RAW SCORE			12			39
			4.2.3 Hydrologic Connectivity			4.2.3 Hydrologic Connectivity			12			12
			4.2.2 Hydroperiod or Channel Stability			4.2.2 Hydroperiod or Channel Stability			15			34
			4.2.1 Water Source			4.2.1 Water Source			9			34
			FINAL SCORE			FINAL SCORE			15			46
			RAW SCORE			RAW SCORE			12			46
			4.1.4 Buffer Condition			4.1.4 Buffer Condition			15			50
			4.1.3 Average Buffer Width			4.1.3 Average Buffer Width			15			48
			4.1.2 Percent of AA with Buffer			4.1.2 Percent of AA with Buffer			15			42
			4.1.1 Landscape Connectivity			4.1.1 Landscape Connectivity			12			44
			Restoration Site			Restoration Site			12			44
			AA ID			AA ID			12			46
			Assessment Area			Assessment Area			12			39
			Property			Property			12			25
EL	AA #12	EL AA #12	Post-fire Management	3	3	3	3	3	3	3	3	33
EL	AA #14	EL AA #14	Post-fire Management	3	3	3	3	3	3	3	3	33
EL	AA #09	EL AA #09	Munz	3	3	3	3	3	3	3	3	33
EL	AA #10	EL AA #10	Munz	3	3	3	3	3	3	3	3	33
EL	AA #11	EL AA #11	Munz	3	3	3	3	3	3	3	3	33
EL	AA #13	EL AA #13	Munz	3	3	3	3	3	3	3	3	33
EL	AA #15	EL AA #15	Munz	3	3	3	3	3	3	3	3	33
EL	AA #01	EL AA #01	Post-fire Management	3	3	3	3	3	3	3	3	33
EL	AA #06	EL AA #06	Post-fire Management	3	3	3	3	3	3	3	3	33
EL	AA #07	EL AA #07	Post-fire Management	3	3	3	3	3	3	3	3	33
EL	AA #05	EL AA #05	Site 2	3	3	3	3	3	3	3	3	33
EL	AA #08	EL AA #08	Site 3	3	3	3	3	3	3	3	3	33
EL	AA #04	EL AA #04	Site 4	3	3	3	3	3	3	3	3	33
EL	AA #02	EL AA #02	Site 5	3	3	3	3	3	3	3	3	33
EL	AA #03	EL AA #03	Site 5	3	3	3	3	3	3	3	3	33
PR	AA #11	PR AA #11	Cattle Exclusion	3	3	3	3	3	3	3	3	33
PR	AA #05	PR AA #05	Preserve	3	3	3	3	3	3	3	3	33
PR	AA #06	PR AA #06	Preserve	3	3	3	3	3	3	3	3	33
PR	AA #03	PR AA #03	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #04	PR AA #04	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #07	PR AA #07	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #08	PR AA #08	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #09	PR AA #09	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #10	PR AA #10	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #12	PR AA #12	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #13	PR AA #13	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #14	PR AA #14	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #15	PR AA #15	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #16	PR AA #16	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #17	PR AA #17	Rift Valley	3	3	3	3	3	3	3	3	33
PR	AA #01	PR AA #01	Site 6	3	3	3	3	3	3	3	3	33
PR	AA #02	PR AA #02	Site 6	3	3	3	3	3	3	3	3	33

Property	Assessment Area	AA ID	Restoration Site	Potential Condition if Upland Buffers Not Preserved												OVERALL UB PRESERVATION SCORES		
				4.1 Buffer and Landscape Context			4.2 Attribute 2: Hydrology			4.3 Attribute 3: Physical Structure			4.4 Attribute 4: Biotic Structure					
															FINAL SCORE	RAW SCORE		
															FINAL SCORE	RAW SCORE		
EL	AA #12	EL AA #12	Post-fire Management	3	3	3	3	3	3	3	3	3	3	3	6	25.00		
EL	AA #14	EL AA #14	Post-fire Management	12	12	12	12	12	12	12	12	12	12	12	12	27	62.50	
EL	AA #09	EL AA #09	Munz	3	3	3	3	3	3	3	3	3	3	3	3	3	24	62.50
EL	AA #10	EL AA #10	Munz	12	12	12	12	12	12	12	12	12	12	12	12	21	25.00	
EL	AA #11	EL AA #11	Munz	3	3	3	3	3	3	3	3	3	3	3	3	3	18	50.00
EL	AA #13	EL AA #13	Munz	9	9	9	9	9	9	9	9	9	9	9	9	15	41.7	
EL	AA #15	EL AA #15	Munz	3	3	3	3	3	3	3	3	3	3	3	3	3	3	8.4
EL	AA #01	EL AA #01	Post-fire Management	6	6	6	6	6	6	6	6	6	6	6	6	12	33.4	
EL	AA #06	EL AA #06	Post-fire Management	12	12	12	12	12	12	12	12	12	12	12	12	21	58.4	
EL	AA #07	EL AA #07	Post-fire Management	9	9	9	9	9	9	9	9	9	9	9	9	9	58.4	
EL	AA #05	EL AA #05	Site 2	12	12	12	12	12	12	12	12	12	12	12	12	18	50	
EL	AA #08	EL AA #08	Site 3	12	12	12	12	12	12	12	12	12	12	12	12	15	41.7	
EL	AA #04	EL AA #04	Site 4	6	6	6	6	6	6	6	6	6	6	6	6	24	66.7	
EL	AA #02	EL AA #02	Site 5	12	12	12	12	12	12	12	12	12	12	12	12	27	75	
EL	AA #03	EL AA #03	Site 5	12	12	12	12	12	12	12	12	12	12	12	12	21	58.4	
PR	AA #11	PR AA #11	Cattle Exclusion	12	12	12	12	12	12	12	12	12	12	12	12	21	58.4	
PR	AA #05	PR AA #05	Preserve	12	12	12	12	12	12	12	12	12	12	12	12	24	66.7	
PR	AA #06	PR AA #06	Preserve	12	12	12	12	12	12	12	12	12	12	12	12	15	41.7	
PR	AA #03	PR AA #03	Rift Valley	6	6	6	6	6	6	6	6	6	6	6	6	15	41.7	
PR	AA #04	PR AA #04	Rift Valley	3	3	3	3	3	3	3	3	3	3	3	3	21	58.4	
PR	AA #07	PR AA #07	Rift Valley	9	9	9	9	9	9	9	9	9	9	9	9	21	58.4	
PR	AA #08	PR AA #08	Rift Valley	6	6	6	6	6	6	6	6	6	6	6	6	18	50	
PR	AA #09	PR AA #09	Rift Valley	6	6	6	6	6	6	6	6	6	6	6	6	18	50	
PR	AA #10	PR AA #10	Rift Valley	6	6	6	6	6	6	6	6	6	6	6	6	15	41.7	
PR	AA #12	PR AA #12	Rift Valley	3	3	3	3	3	3	3	3	3	3	3	3	15	41.7	
PR	AA #13	PR AA #13	Rift Valley	3	3	3	3	3	3	3	3	3	3	3	3	15	41.7	
PR	AA #14	PR AA #14	Rift Valley	9	9	9	9	9	9	9	9	9	9	9	9	18	50	
PR	AA #15	PR AA #15	Rift Valley	12	12	12	12	12	12	12	12	12	12	12	12	18	50	
PR	AA #16	PR AA #16	Rift Valley	6	6	6	6	6	6	6	6	6	6	6	6	21	58.4	
PR	AA #17	PR AA #17	Rift Valley	9	9	9	9	9	9	9	9	9	9	9	9	21	58.4	
PR	AA #01	PR AA #01	Site 6	9	9	9	9	9	9	9	9	9	9	9	9	12	33.4	
PR	AA #02	PR AA #02	Site 6	3	3	3	3	3	3	3	3	3	3	3	3	10	27.8	

Ex. 4 CBI

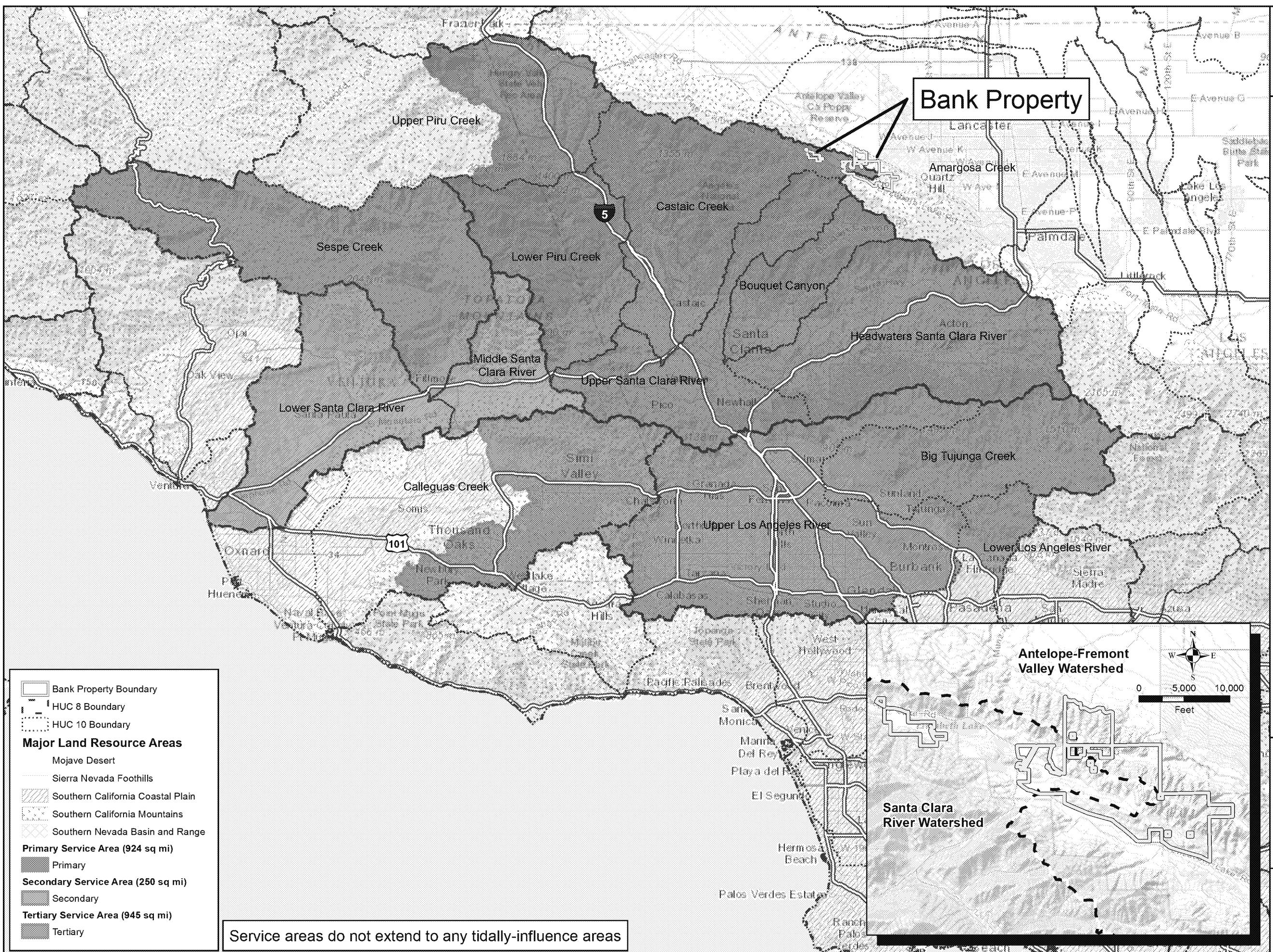
VI. SERVICE AREA

Petersen Ranch
Mitigation Bank

Los Angeles County,
California

Exhibit B-1.1

Section 404
Service Area



Map Date: March 2015
Map By: Chris Zumwalt
Data Source: WRA, Inc.
Base Source: ESRI Streaming World Topo